



Volume 26

An ARCEC Monthly Publication

November 2017

*Counterpoise Editor - Sue Robins AF6LJ, Pictures by Patrick Gooden K6PFG*

## Annual Homebrew Contest

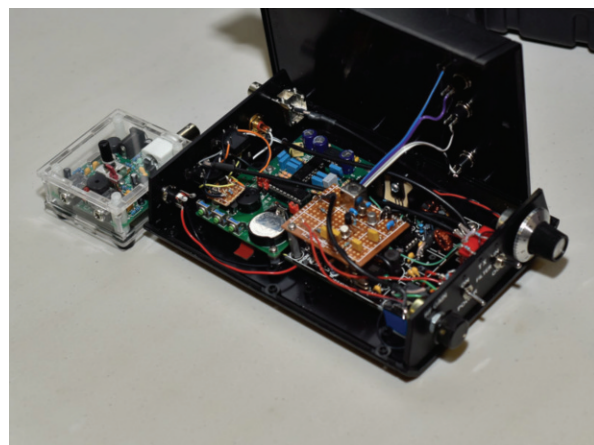
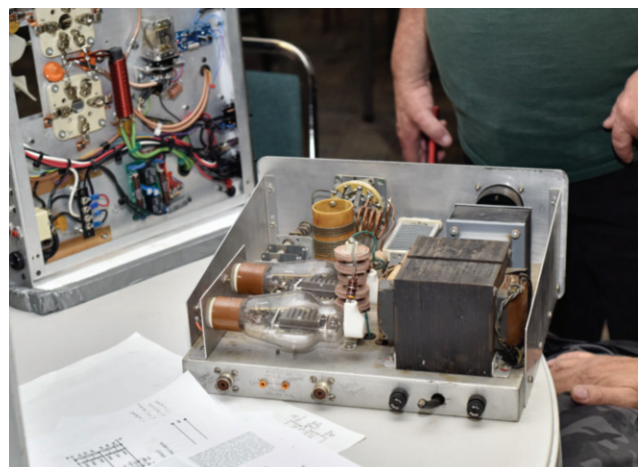
*By Sue Robins AF6LJ, Pictures by*

The Annual Homebrew Contest was held at our November meeting. Three members brought in their projects, some finished some still in work. George, KJ6WWM had a linear amplifier he had been rebuilding, the amplifier uses a pair of 811s. The work on said amplifier is coming along nicely. The amplifier as it came to George was non functional, appeared to be partially cannibalized. George has made a great deal of progress on this project.

Pat WA6MHZ brought in The Ultimate Battery Box, and 2 QRP transmitters. A modified Frog-sounds QRP transmitter that had a keyer, RX pre amp, and audio filter added. This project was finished and working, The second QRP transmitter was a Pixie built for 40 meters. The Ultimate Battery Box was built from scratch contained several features, such as metering of voltage and current, along with a automatic shut off timer. The lid when closed shuts off main power saving on battery life. The Ultimate Battery Box has seen use at JOTA (Camp Balboa) prior to the November meeting. The battery box and any one of Pat's Go Kits can be deployed anywhere with a minimum of effort.

Sue brought in a Heathkit HL-2200 that was being rebuilt, and updated. The HL-2200 is working and nearly finished, optimization of the 10 and 15 meter input circuits is all that remains. The HL-2200 came to Sue in a basket. Work on the amplifier done over several months as resources came available. Besides power power supply modifications which made for performance improvements, the amplifier had 10 meters added to it. The stock HL-220 was an 80-15 meter amplifier, this one is 80-10 meters, with the aid of SB-220 input and output circuit parts.

Each person gave a brief presentation on their project, except for Sue who gave the evening's presentation which was on rebuilding and upgrading the Heathkit SB-220 family of linear amplifiers. The HL-2200 was the last in that family of amplifiers, which began with the Heath SB-220 in late 1969.

**Come join us at our next meeting****December 14<sup>th</sup> 2017****At****First Lutheran Church****867 S. Lincoln Ave.****El Cajon, CA**



## Next Month's Meeting

### ARCEC Christmas Party & Pot Luck Dinner

The Amateur Radio Club of EL Cajon presents it's annual Christmas Party, and Pot luck Dinner. Come join us for food, fun, and a drawing for door prizes, including a Yaesu FT-8900 quad band VHF / UHF radio. I hope to see you there, it promises to be an enjoyable evening .

\*\*\*\*\*



## Fry's Operating Day

I held the release of this month's issue of Counterpoise in order to include content from Fry's Operating Day. This Operating day was not as large as past events, it was still large enough to be noticeable by the general public. Fry's Operating Day is intended to expose amateur radio to the public, and to show off many aspects of the hobby. The most important thing the public sees is our ability to deploy a portable station. Those deployable stations ranged from a simple table chair, HF rig and portable antenna to full on comm trailers and motor homes.

Fry's Operating Day is usually held twice a year, and is used by many clubs as a dry run for Field Day. Here are some of the deployable stations seen at Operating Day.



## ARCEC Repeater Frequencies

2 Meter Repeater	220 MHZ Repeater	440 MHZ Repeater
TX 146.475	TX 222.480	TX 440.900
RX 147.420	RX 224.080	RX 445.900
Offset .945	Offset 1.6	Offset 5.00
PL 107.2	PL 107.2	PL 107.2





## Closing Remarks

Here we are at the end of another year, we are all another year older and some of our friends and family have gone on to the great beyond. The only constant in life is change. We will see the face of the club change a little in the upcoming year. For the first time since I joined there will be no election this year, nobody to run against sitting board members.

I also held this issue of Counterpoise in order to gather up enough content for one issue. For the same reason I pulled the page that contains the ads for our club swag, it will be back next month, along with more content.

A few things to look forward in 2018 We have the Yuma Hamfest February 16<sup>th</sup> , 17<sup>th</sup> . The event is attended by many from the San Diego area. I've never been myself, one of these days I should go.

My own personal life has been chaotic, and I have not had the time I wish I had to devote to the newsletter. Next year promises to be better all around See you all next year.

\*\*\*\*\*





The **AMATEUR RADIO CLUB OF EL CAJON** Inc.  
**WA6BGS**

Post Office Box Fifty, El Cajon California 92022

Founded 1960 ~ Incorporated 1976

Please fill out this form and then see options at bottom for submitting to the club

Date of application: \_\_\_ / \_\_\_ / \_\_\_

Amount Paid: \$ \_\_\_\_\_ Cash    Check    Check # \_\_\_\_\_

Membership Type:    Individual (\$20/year)    Family\* (\$35/year)

Membership Status:    New    Renewal    Returning Member

Call Sign    First Name \_\_\_\_\_ Last Name \_\_\_\_\_

If a previous member, what was your WAMO number?

ARRL Member:    Yes    No

License Class:    Technician    General    Extra    Other

Email Address (required) \_\_\_\_\_

Phone Number (optional) \_\_\_\_\_

*\*Use another sheet of paper to add Family members and please include the following information:*

First Name, Last Name, Call Sign (if any), License Class, Wamo Number (if any), & Email Address.

**Submitting this form:**

To submit this form, you can mail it to:

**Amateur Radio Club of El Cajon  
P.O. Box 50  
El Cajon, CA 92022**

-OR-

Bring it to the next club meeting on the second Thursday of each month. You can find the date and location by getting online at [www.wa6bgs.us](http://www.wa6bgs.us) which is the club website. Check it out for the most current information regarding the club.

Cash Payments - Get a receipt from the Club Treasurer. Please make all checks payable to AMATEUR RADIO CLUB of EL CAJON, Incorporated. Receipts for payments by check will be sent by email or regular mail by the Club Treasurer.

Members with an FCC Call Sign are full members with voting privileges. Members without an FCC Call Sign are Associate members without voting privileges.

YOUR DUES ARE TAX DEDUCTIBLE: Amateur Radio Club of El Cajon, Inc. Is a 501 C 7 Corporation. Donations are NOT tax deductible.

Email address and phone number are to allow club officers to contact members regarding club business and information of interest.